

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH2005/000068

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01F15/02 B01F15/00 B65G65/46 B65G65/42 B01F7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01F B65B B65G A21C A47J A22C A23G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 332 539 A (ZANI GIAN M) 1 June 1982 (1982-06-01)	1,2,4,6, 8
Y	column 2, line 34 - line 42	9-15,17
A	column 7, line 42 - line 52 figures 2,8	3,5,7, 16,18,19
X	FR 2 635 314 A (SAUTELMA SA) 16 February 1990 (1990-02-16)	1,2,4,6, 8
Y	page 1, line 1 - page 2, line 2	9-15,17
A	figures	3,5,7, 16,18,19
A	US 5 339 997 A (BULLIVANT KENNETH W ET AL) 23 August 1994 (1994-08-23) the whole document	1-8
	----- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

10 June 2005

Date of mailing of the international search report

24.06.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Real Cabrera, R

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH2005/000068

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 007 011 A (MCBAIN ET AL) 28 December 1999 (1999-12-28) column 1, line 5 - line 9 column 1, line 45 - line 62 column 2, line 28 - line 36 column 3, line 30 - line 42 column 3, line 60 - column 4, line 14 figures 1,3A,4A	9-12,14
Y	EP 0 842 626 A (BRAUN AKTIENGESELLSCHAFT) 20 May 1998 (1998-05-20) column 6, line 6 - line 54 figure 1	10,11
Y	US 4 518 262 A (BORNEMANN ET AL) 21 May 1985 (1985-05-21) column 2, line 39 - line 49 figure 1	9,12,13
Y	WO 00/30517 A (SEB S.A; DULOUT, JEAN, MICHEL; CHARLES, PATRICK; TOMPA, CAROLE, LINE;) 2 June 2000 (2000-06-02) page 6, line 14 - line 21 page 7, line 19 - line 28 figure 1	12,13
Y	DE 10 87 512 B (EDOARDO AMADESSI) 18 August 1960 (1960-08-18) figure 1	15,17
A		16,18,19
Y	EP 0 049 315 A (K-TRON SODER AG) 14 April 1982 (1982-04-14) figures 1,2	15
A		16-19

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CH2005/000068

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See supplemental sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest



The additional search fees were accompanied by the applicant's protest.



No protest accompanied the payment of additional search fees.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

1. Claims 1-8

replaceable dosing device.

2. Claims 9-14 (dependent claim 9 - lack of unity of invention
a posteriori)

special design of the agitating device.

3. Claims 15-19 (dependent claim 15 – lack of unity of invention
a posteriori)

drive unit.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH2005/000068

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4332539	A	01-06-1982	IT 1202933 B	15-02-1989
			AR 222085 A1	15-04-1981
			AT 9429 T	15-10-1984
			CA 1131994 A1	21-09-1982
			DE 3069208 D1	25-10-1984
			EP 0022090 A2	07-01-1981
FR 2635314	A	16-02-1990	FR 2635314 A1	16-02-1990
US 5339997	A	23-08-1994	DE 69311363 D1	10-07-1997
			DE 69311363 T2	20-11-1997
			EP 0665798 A1	09-08-1995
			WO 9410040 A1	11-05-1994
US 6007011	A	28-12-1999	AU 1718700 A	05-06-2000
			WO 0028871 A1	25-05-2000
EP 0842626	A	20-05-1998	DE 19645312 A1	07-05-1998
			EP 0842626 A1	20-05-1998
US 4518262	A	21-05-1985	DE 8104051 U1	16-06-1982
			FR 2499868 A1	20-08-1982
			GB 2092903 A ,B	25-08-1982
			IT 1137179 B	03-09-1986
			JP 57150426 A	17-09-1982
WO 0030517	A	02-06-2000	FR 2786385 A1	02-06-2000
			AU 1390500 A	13-06-2000
			WO 0030517 A1	02-06-2000
DE 1087512	B	18-08-1960	NONE	
EP 0049315	A	14-04-1982	AT 6488 T	15-03-1984
			DE 3162458 D1	12-04-1984
			EP 0049315 A1	14-04-1982